

MONTANA NATURAL RESOURCES CONSERVATION SERVICE  
GOVERNOR'S DROUGHT ADVISORY COMMITTEE REPORT  
October 19, 2006





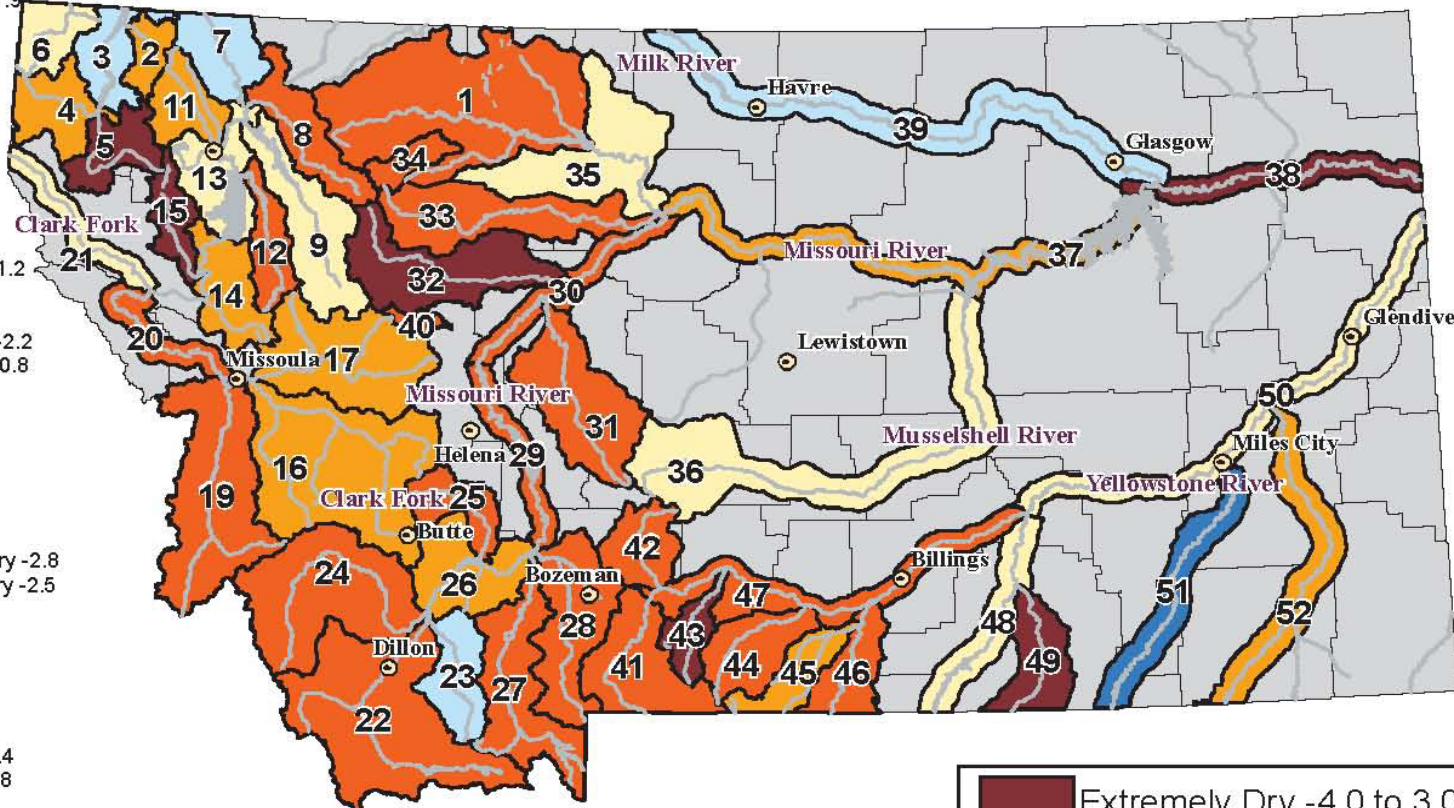
# RIVER INDEX & SWSI VALUES

- 1 Marias above Tiber Reservoir -2.4
- 2 Tobacco -1.8
- 3 Kootenai Ft. Steele to Libby Dam 1.1
- 4 Kootenai below Libby Dam -1.9
- 5 Fisher -3.6
- 6 Yaak -0.7
- 7 North FK. Flathead 1.1
- 8 Middle FK. Flathead -2.2
- 9 South FK. Flathead -0.8
- 11 Stillwater/Whitefish -1.7
- 12 Swan -2.6
- 13 Flathead at Polson -0.1
- 14 Mission Valley -1.3
- 15 Little Bitterroot -3.3
- 16 Clark Fork above Milltown -1.2
- 17 Blackfoot -1.9
- 19 Bitterroot -2.9
- 20 Clark Fork below Bitterroot -2.2
- 21 Clark Fork below Flathead -0.8
- 22 Beaverhead -2.5
- 23 Ruby 1.3
- 24 Big Hole -2
- 25 Boulder (Jefferson) -2.1
- 26 Jefferson -1.2
- 27 Madison -2.2
- 28 Gallatin -2.7
- 29 Missouri above Canyon Ferry -2.8
- 30 Missouri below Canyon Ferry -2.5
- 31 Smith -2.3
- 32 Sun -3.1
- 33 Teton -2.4
- 34 Birch/Dupuyer Creeks -2.4
- 35 Marias 0.2
- 36 Musselshell -0.9
- 37 Missouri above Fort Peck -1.4
- 38 Missouri below Fort Peck -3.8
- 39 Milk 1.1
- 40 Dearborn near Craig -2.6
- 41 Yellowstone above Livingston -2
- 42 Shields -2.6
- 43 Boulder (Yellowstone) -3.3
- 44 Stillwater -2.9
- 45 Rock/Red Lodge Creeks -1.8
- 46 Clarks Fork -2.6
- 47 Yellowstone above Bighorn -2.3
- 48 Bighorn below Bighorn Lake -0.5
- 49 Little Bighorn -3.4
- 50 Yellowstone below Bighorn -0.8
- 51 Tongue 3.7
- 52 Powder -1.6

# Surface Water Supply Index (SWSI) Values

UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE



Current as of  
October 1, 2005

0 45 90 Miles

**NOTE: Data used to generate  
this map are PROVISIONAL and  
SUBJECT TO CHANGE.**

**NRCS** Natural Resources  
Conservation Service  
<http://www.mt.nrcs.usda.gov>

	Extremely Dry -4.0 to -3.0
	Moderately Dry -2.9 to -2.0
	Slightly Dry -1.9 to -1.0
	Near Average -0.9 to 0.9
	Slightly Wet 1.0 to 1.9
	Moderately Wet 2.0 to 2.9
	Extremely Wet 3.0 to 4.0
	SWSI Not Applicable



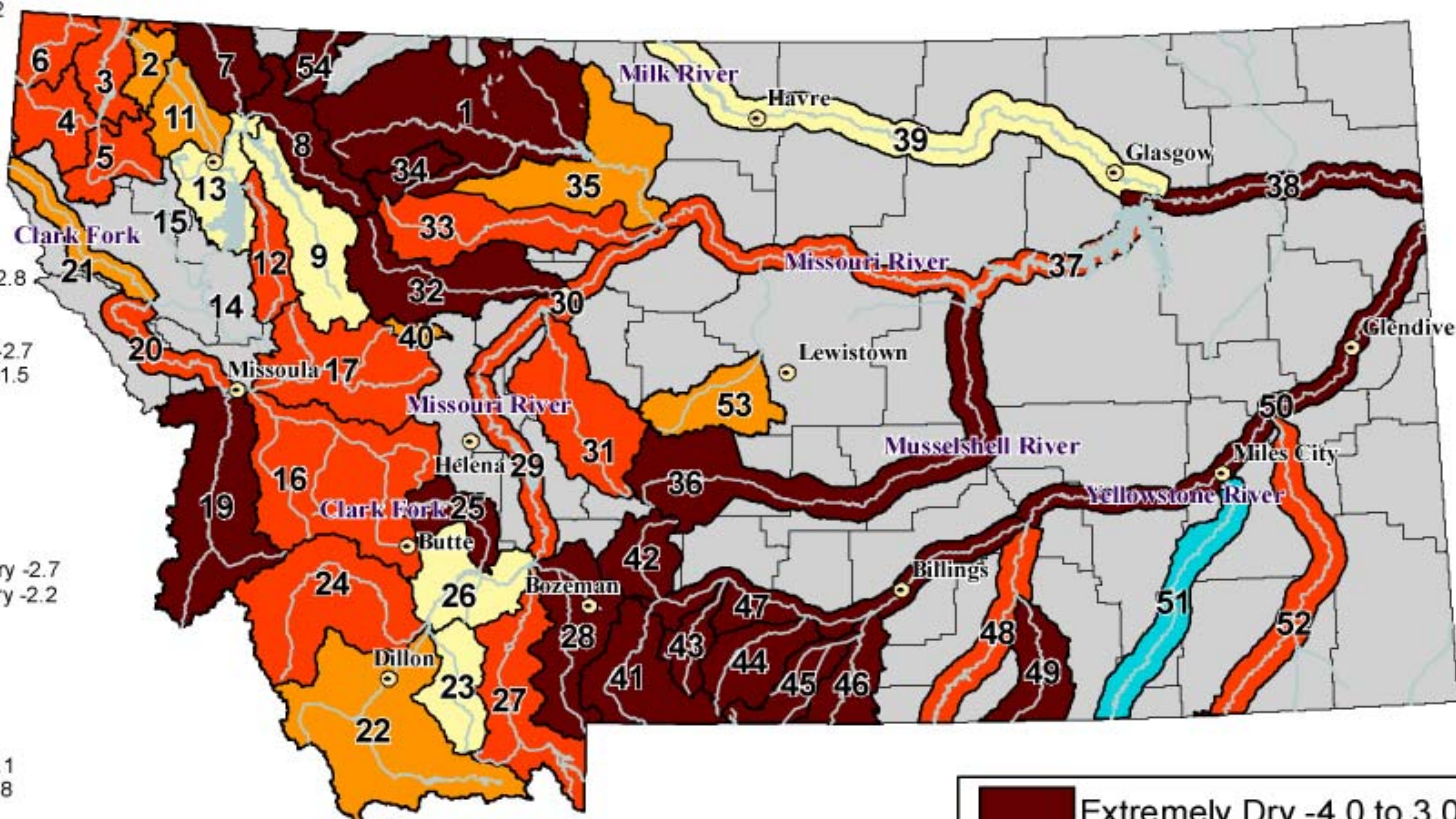
# RIVER INDEX & SWSI VALUES

- 1 Marias above Tiber Reservoir -4
- 2 Tobacco -1.6
- 3 Kootenai Ft. Steele to Libby Dam -2.6
- 4 Kootenai below Libby Dam -2
- 5 Fisher -2.4
- 6 Yaak -2.1
- 7 North FK. Flathead -3.1
- 8 Middle FK. Flathead -3.3
- 9 South FK. Flathead 0.2
- 11 Stillwater/Whitefish -1
- 12 Swan -2.6
- 13 Flathead at Polson -0.9
- 14 Mission Valley
- 15 Little Bitterroot
- 16 Clark Fork above Milltown -2.8
- 17 Blackfoot -2.3
- 19 Bitterroot -3.1
- 20 Clark Fork below Bitterroot -2.7
- 21 Clark Fork below Flathead -1.5
- 22 Beaverhead -1.2
- 23 Ruby 0.3
- 24 Big Hole -2.8
- 25 Boulder (Jefferson) -3.3
- 26 Jefferson -0.7
- 27 Madison -2.4
- 28 Gallatin -3.5
- 29 Missouri above Canyon Ferry -2.7
- 30 Missouri below Canyon Ferry -2.2
- 31 Smith -2.5
- 32 Sun -3.2
- 33 Teton -2.7
- 34 Birch/Dupuyer Creeks -3.4
- 35 Marias -1.2
- 36 Musselshell -3.5
- 37 Missouri above Fort Peck -2.1
- 38 Missouri below Fort Peck -3.8
- 39 Milk -0.9
- 40 Dearborn near Craig -1.2
- 41 Yellowstone above Livingston -3.2
- 42 Shields -3.5
- 43 Boulder (Yellowstone) -3.6
- 44 Stillwater -4
- 45 Rock/Red Lodge Creeks -3.8
- 46 Clarks Fork -3.4
- 47 Yellowstone above Bighorn -3.4
- 48 Bighorn below Bighorn Lake -2.9
- 49 Little Bighorn -3.1
- 50 Yellowstone below Bighorn -3.2
- 51 Tongue 2.8
- 52 Powder -2.6
- 53 Upper Judith River -1
- 54 Saint Mary River -3

# Surface Water Supply Index (SWSI) Values

UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE



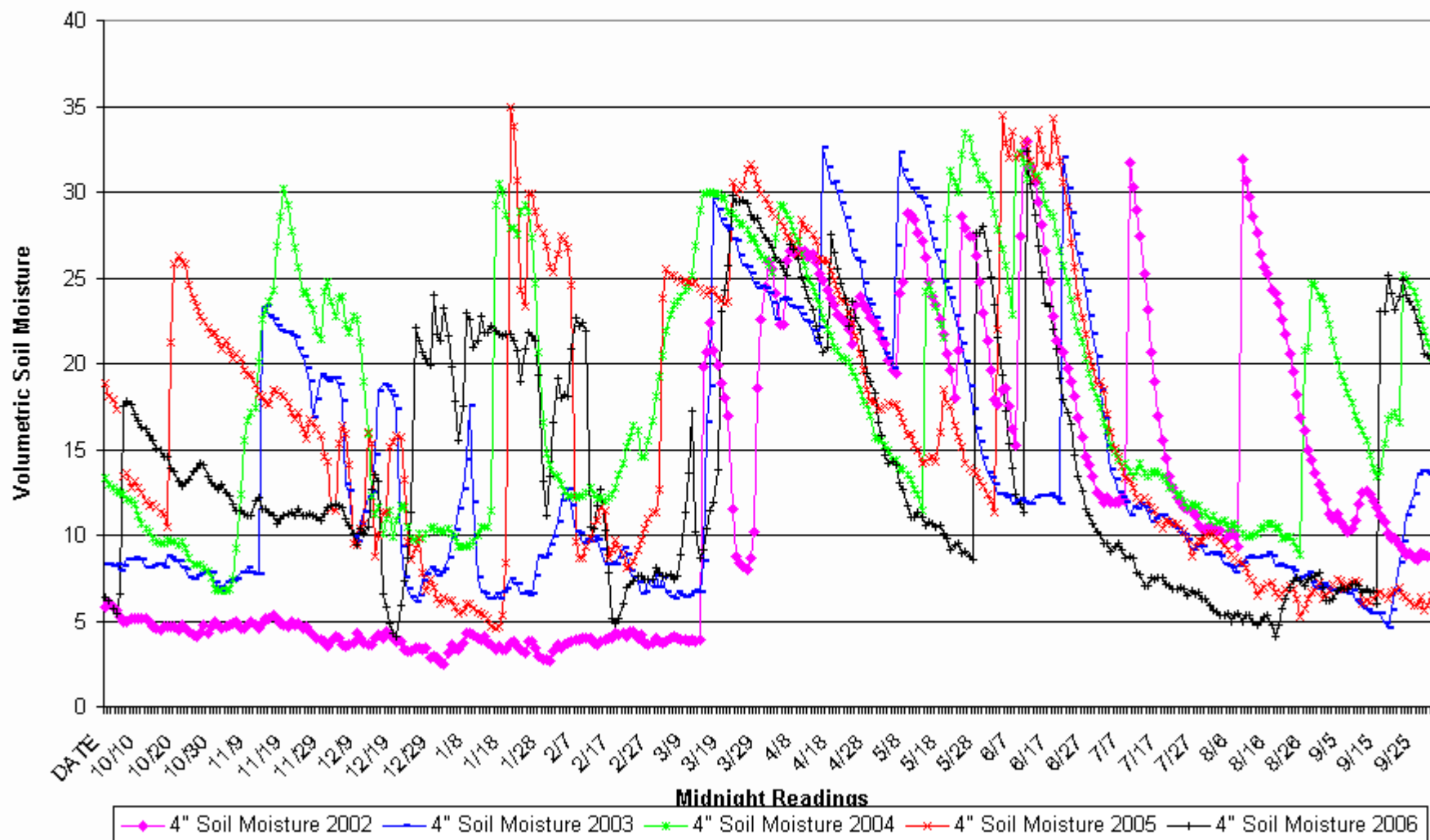
Current as of  
Oct 1, 2006

**NOTE: Data used to generate  
this map are PROVISIONAL and  
SUBJECT TO CHANGE.**

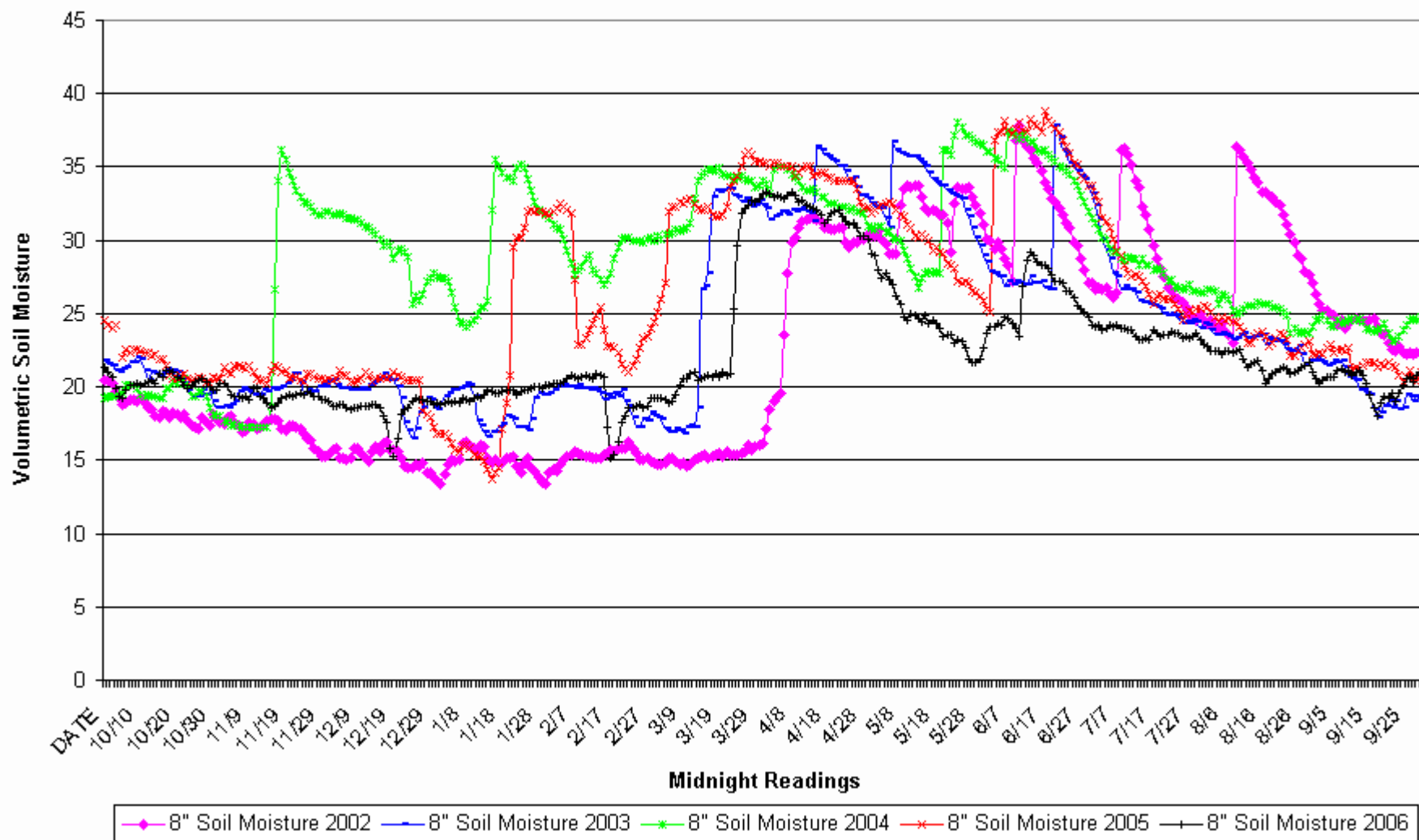
**NRCS** Natural Resources  
Conservation Service  
<http://www.mt.nrcs.usda.gov>

	Extremely Dry -4.0 to 3.0
	Moderately Dry -2.9 to -2.0
	Slightly Dry -1.9 to -1.0
	Near Average -0.9 to 0.9
	Sightly Wet 1.0 to 1.9
	Moderately Wet 2.0 to 2.9
	Extremely Wet 3.0 to 4.0
	SWSI Not Applicable

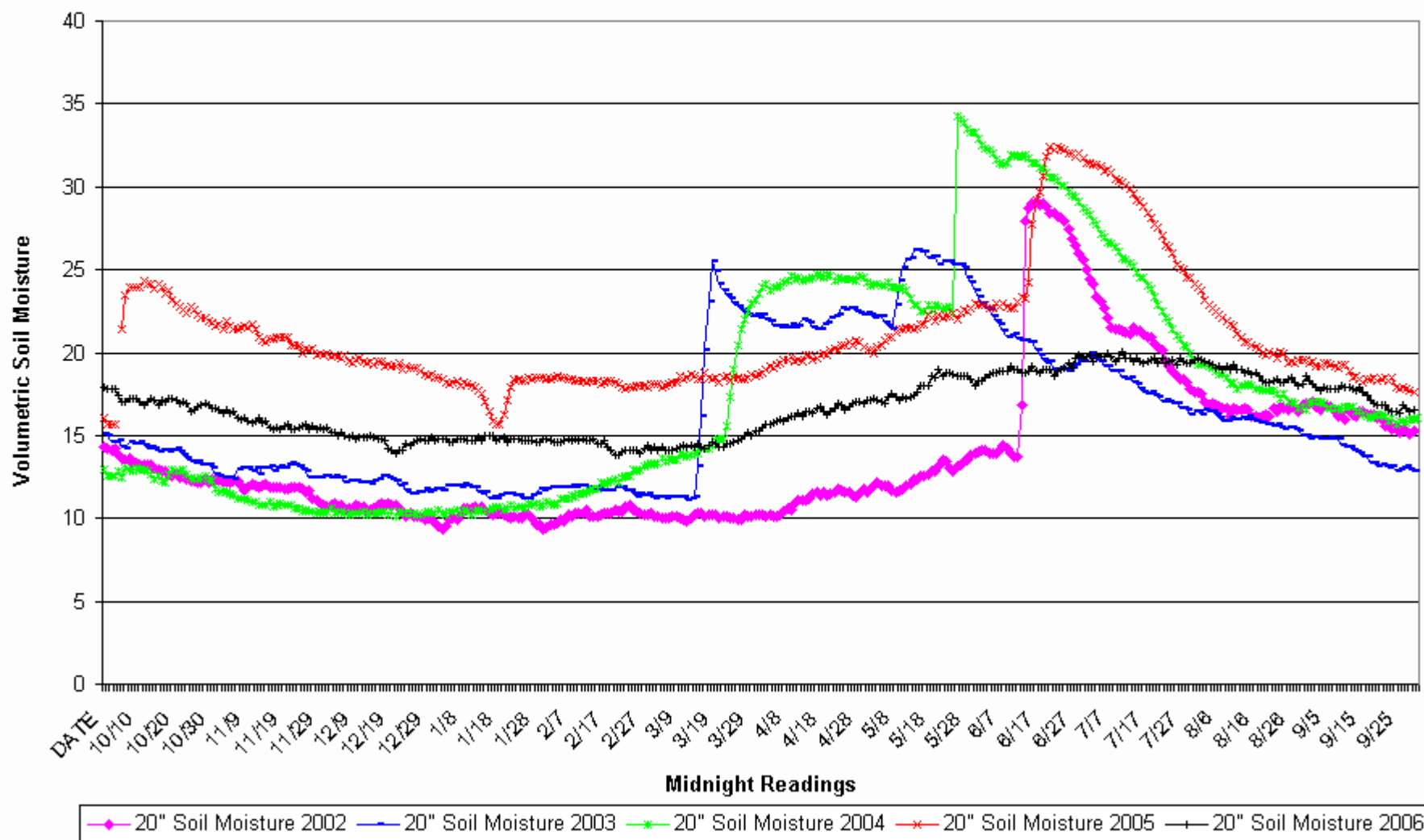
Fort Assiniboine, MT  
4" Soil Moisture, Water Year 2002, 2003, 2004, 2005, 2006  
Preliminary Data Subject to Change



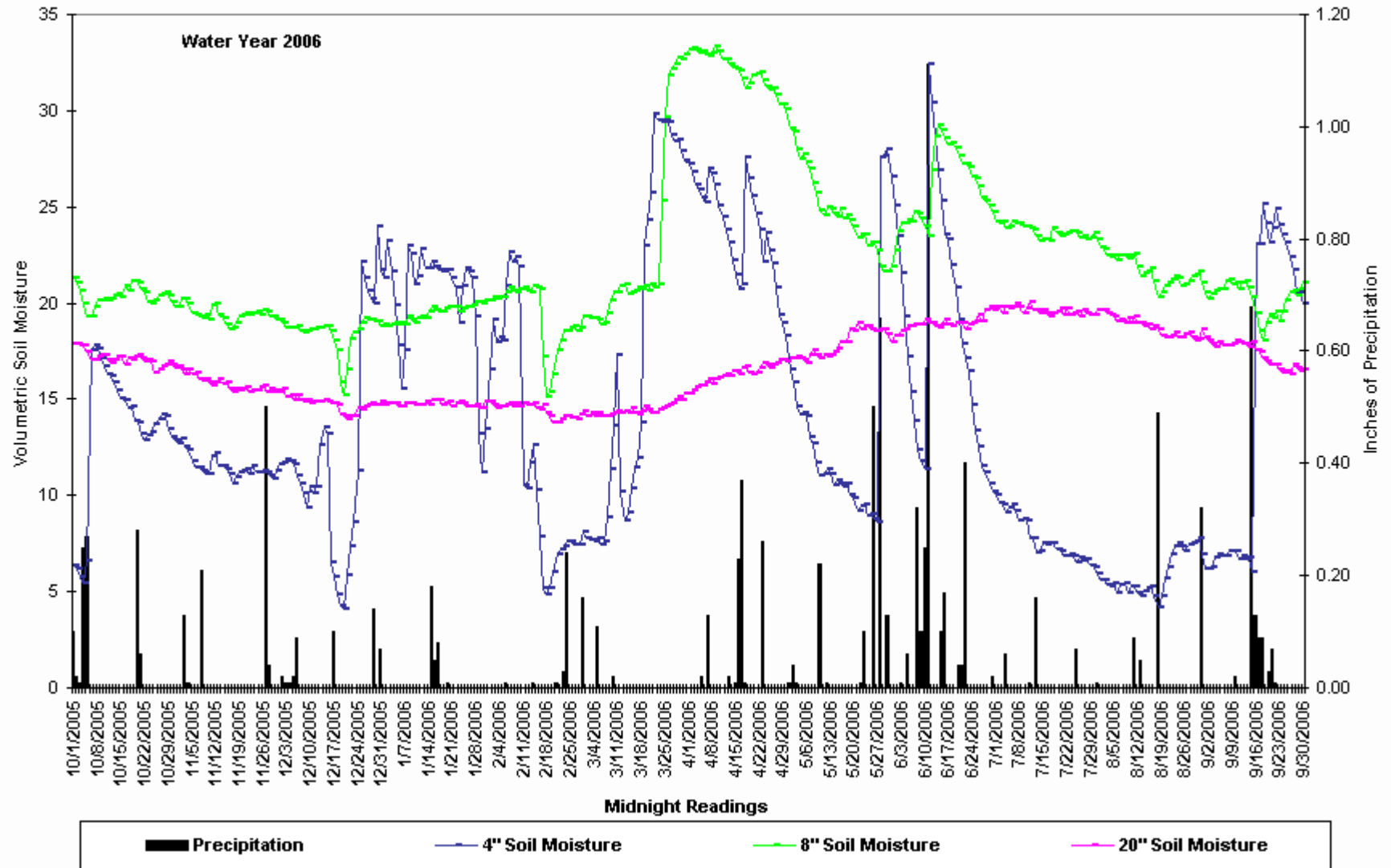
**Fort Assiniboine, MT**  
**8" Soil Moisture, Water Year 2002, 2003, 2004, 2005, 2006**  
**Preliminary Data Subject to Change**



**Fort Assiniboine, MT**  
**20" Soil Moisture, Water Year 2002, 2003, 2004, 2005, 2006**  
**Preliminary Data Subject to Change**



Fort Assiniboine, MT  
Soil Moisture vs. Precipitation  
PRELIMINARY DATA SUBJECT TO CHANGE



# WEST OF THE DIVIDE

## October 18, 2006

Basin Site Name	Elev (ft)	Snow Water Equivalent			Year-to-Date Precipitation		
		Current (in)	Average (in)	Pct of Avg	Current (in)	Average (in)	Pct of Avg
KOOTENAI RIVER BASIN							
Basin-wide percent of average		34*			42		
FLATHEAD RIVER BASIN							
Basin-wide percent of average		82*			63		
UPPER CLARK FORK RIVER BASIN							
Basin-wide percent of average		154*			126		
BITTERROOT RIVER BASIN							
Basin-wide percent of average		42*			77		
LOWER CLARK FORK RIVER BASIN							
Basin-wide percent of average		192*			55		



# MISSOURI HEADWATERS

## October 18, 2006

Basin Site Name	Elev (ft)	Snow Water Equivalent			Year-to-Date Precipitation		
		Current (in)	Average (in)	Pct of Avg	Current (in)	Average (in)	Pct of Avg
JEFFERSON RIVER BASIN							
Basin-wide percent of average		152*			209		
MADISON RIVER BASIN							
Basin-wide percent of average		136*			225		
GALLATIN RIVER BASIN							
Basin-wide percent of average		122*			180		
MISSOURI HEADWATERS							
Basin-wide percent of average		137*			205		

# MISSOURI MAINSTEM, ST. MARY, AND MILK

## October 18, 2006

Basin Site Name	Elev (ft)	Snow Water Equivalent			Year-to-Date Precipitation		
		Current (in)	Average (in)	Pct of Avg	Current (in)	Average (in)	Pct of Avg
HEADWATERS MISSOURI MAINSTEM							
Basin-wide percent of average		136*			188		
SMITH, JUDITH, AND MUSSELSHELL RIVER BASINS							
Basin-wide percent of average		178*			275		
SUN, TETON AND MARIAS RIVER BASINS							
Basin-wide percent of average		67*			58		
MISSOURI MAINSTEM RIVER BASIN							
Basin-wide percent of average		126*			174		
ST. MARY AND MILK RIVER BASINS							
Basin-wide percent of average		27*			64		

# Yellowstone

## October 18, 2006

Basin Site Name	Elev (ft)	Snow Water Equivalent			Year-to-Date Precipitation		
		Current (in)	Average (in)	Pct of Avg	Current (in)	Average (in)	Pct of Avg
UPPER YELLOWSTONE RIVER BASIN							
Basin-wide percent of average		88*			188		
WIND RIVER BASIN (WYOMING)							
Basin-wide percent of average		74*			117		
SHOSHONE RIVER BASIN (WYOMING)							
Basin-wide percent of average		35*			145		
BIGHORN RIVER BASIN (WYOMING)							
Basin-wide percent of average		86*			115		
TONGUE RIVER BASIN (WYOMING)							
Basin-wide percent of average		79*			93		
POWDER RIVER BASIN (WYOMING)							
Basin-wide percent of average		38*			49		
LOWER YELLOWSTONE RIVER BASIN							
Basin-wide percent of average		74*			105		